

**CITY OF PFLUGERVILLE
REQUEST FOR STATEMENTS OF QUALIFICATIONS
RELATIVE TO THE SELECTION OF
PROFESSIONAL ENGINEERING SERVICES**

SCOPE OF SERVICES

PROJECT FOR:

CITY OF PFLUGERVILLE, ENGINEERING DEPARTMENT

PROJECT TITLE:

WATER DISTRIBUTION SYSTEM MASTER PLAN AND WATER MODEL

OBJECTIVES OF THE PROJECT:

The project includes the development of computer model of the City of Pflugerville's water distribution system and a Water Master Plan which will guide the city's water utility growth and provide the necessary tools to analyze any proposed changes or additions to the water system. Anticipated services include: 1) a review of the water distribution system and recommendation of which computer water model would serve the city best; 2) development of the water model including training of city staff in using the model; 3) analysis of the existing water distribution system and the development of a water distribution system master plan which will outline needed improvements to be included in the city's CIP Plan.

BACKGROUND:

The City of Pflugerville, located in Travis and Williamson Counties, is approximately 22.3 square miles in area and consists of a population of just over 50,000 residents. The City of Pflugerville is supplied by both surface and well water. Lake Pflugerville is the source of surface water. There are two wells that draw water directly from the Edwards Aquifer. The two wells can produce 6 million gallon per day (MGD) and our water treatment plant has a rated capacity of 15 MGD, but currently averages about 6 MGD.

ANTICIPATED SERVICES:

The City of Pflugerville is requesting a Statement of Qualifications from engineering firms interested in providing water planning and engineering services for the development of a water system hydraulic model and master plan report.

The City of Pflugerville is soliciting the services of qualified engineering firms to accomplish the project outlined in this RFQ. This project is to be performed in accordance with the provisions contained in this Request for Statement of Qualifications and may include but not be limited to:

- Thorough review of relevant master plans studies, planning documents, water system operational and facilities data
- Evaluation and recommendation of water model software
- Water model development utilizing the City's water system Geographic Information System (GIS)
- Field pressure testing and model calibration
- Existing system analysis to determine existing system deficiencies (low pressure areas, water lines with high head losses, low fire flow issues, etc.)
- Identify Service Area for 5-year, 10-year, and 25-year planning periods (decide how much of the ETJ to include in each future planning period)
- Review Pflugerville existing CCN in conjunction with neighboring water utilities to determine long term service area plan for Pflugerville ETJ
- Population & commercial acreage projections for 5-year, 10-year, and 25-year periods including spatial distribution by planning area
- Water demand projections (average day, maximum day, peak hour) and spatial distribution of demands for 5-year, 10-year, and 25-year periods
- Wholesale customer service request and pass-through evaluation
- Hydraulic capacity review of potential development requests
- Hydraulic capacity analysis using hydraulic model for 5-year, 10-year, and 25-year periods for average day, maximum day and peak hour demand conditions
- Evaluate compliance with TCEQ regulatory capacity requirements
- Evaluate pressure plane delineation
- Extended period analysis for elevated tank operation evaluation
- Develop prioritized and phased Water System CIP for 5-year, 10-year, and 25 year periods (WTP expansions, pumping capacity, elevated storage capacity, transmission and distribution capacity improvements)
- Develop estimates of probable construction cost for CIP projects
- Water Master Plan Report
- Presentation of Water Master Plan to City Council
- Water Model Training for Engineering and Utility staff

PROPOSED SCHEDULE:

Anticipated Notice to Proceed	February 2011
Anticipated Water Model Completion	May 2011
Anticipated Water Master Plan Completion	November 2011

SUBMISSION OF STATEMENTS OF QUALIFICATIONS:

Interested firms or teams shall have extensive knowledge and expertise in the technical areas of municipal water distribution system planning and design and computer modeling of water distribution systems.

A pre-response meeting will be held at 3:00 p.m., Wednesday, December 1, 2010 at 100 E. Main Street, Suite 500, Pflugerville, Texas.

To be considered, **six copies** of the Statement of Qualifications along with an electronic pdf on a CD must be received by the Engineering Department prior to **5:00pm, December 20, 2010**. The City of Pflugerville reserves the right to reject any or all Statements of Qualifications submitted.

Submittals may be mailed to:

Felix Benavides, P.E.
City of Pflugerville
P.O. Box 589
Pflugerville, TX 78691

OR submittals may be delivered to:

Felix Benavides, P.E.
Engineering Department
City of Pflugerville
100 E. Main Street, Ste 200
Pflugerville, TX 78660

All submittals must be received before 5:00 p.m., Monday, December 20, 2010.

EVALUATION AND SELECTION

Statements of Qualifications submitted will be evaluated by a committee consisting of City of Pflugerville staff. During the evaluation process, the City of Pflugerville reserves the right, where it may serve the City of Pflugerville's best interest, to request additional information or clarifications from responders, or to allow corrections of errors or omissions.

POTENTIAL SUBCONSULTANT/ VENDOR OPPORTUNITIES:

Below is a list of potential subconsultant opportunities on this project. This listing is not a guarantee that each of the scopes listed below will materialize on this contract.

- *Civil Engineering
- *GIS/Mapping
- *Surveying Services

*Subconsultant experience in these areas will be evaluated under “Subconsultant Firms’ Comparable Project Experience”.

ADDITIONAL MATERIALS:

Any information or material provided beyond that requested in this RFQ may not be considered by the City.

ATTACHMENTS:

Attachment 1	Location Map
Attachment 2	Affidavit of Responder
Attachment 3	Evaluation Criteria
Attachment 4	Contract Template

SUBMITTAL INFORMATION:

Form A	Prime Firm – General Information
Form B1	Experience of Project Manager (Last 10 Years)
Form B2	Experience of Project Principal (Last 10 Years)
Form C	Experience and Availability of Proposed Staff
Form D	Prime Firm’s Comparable Project Experience (Last 5 Years)
Form E	Subconsultant’s Comparable Project Experience (Last 5 Years)